

ABSTRACT

A screw compressor includes a housing and a screw rotor disposed in the housing and rotatable relative to the housing for compressing a refrigerant, the housing and the screw rotor having a rest condition, and an operating condition wherein at least one of the housing and the rotor deflect from the rest condition, and structure for at least one of reducing deflection from the rest condition and evenly distributing deflection from the rest condition when the rotor is in the operating condition, whereby clearance between the housing and the rotor is optimized in the operating condition.